

***LineUp With Math™* Alignment**
Missouri Mathematics
Grade-Level Expectations

Strand: Algebraic Relationships

4. Analyze change in various contexts

A. Analyze change

Grade-Level Expectation

Identify, model and describe situations with constant or varying rates of change. (MA 4 1.6,4.1)

***LineUp With Math™* Activities**

--Use an interactive simulator to identify distance, rate, time conflicts in air traffic control problems and resolve the conflicts by varying plane speeds or changing plane routes.

Strand: Measurement

1. Understand measurable attributes of objects and the units, systems and processes of measurement.

C. Tell and use units of time

Grade-Level Expectation

Solve problems involving elapsed time (hours).

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Strand: Data and Probability

3. Develop and evaluate inferences and predictions that are based on data.

A. Develop and evaluate inferences

Grade Level Expectation

Given a set of data make and justify prediction(s). (MA 3 3.1,4.1)

***LineUp With Math™* Activities**

--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.